

1 ABSTRACT OF THE DISCLOSURE

 A microphone array apparatus includes a
microphone array including microphones, one of the
microphones being a reference microphone, filters
5 receiving output signals of the microphones, and a
filter coefficient calculator which receives the
output signals of the microphones, a noise and a
residual signal obtained by subtracting filtered
output signals of the microphones other than the
10 reference microphone from a filtered output signal of
the reference microphone and which obtain filter
coefficients of the filters in accordance with an
evaluation function based on the residual signal.

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